

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing Of Claims

1-15 (Cancelled)

16.-26 (Cancelled)

27. (Currently Amended) A cast workpiece, comprising:

a wall including a plurality of passages, the plurality of passages being in the form of an interconnecting three-dimensional grid randomly distributed in the wall, ~~whereby a cast three-dimensional grid coating of the passages is one piece with the remainder of the workpiece.~~

28. (Previously Presented) The workpiece as claimed in claim 27, wherein practically a quarter of the total area of a workpiece side is made up by an area of uniformly distributed passage openings.

29. (Previously Presented) A workpiece as claimed in claim 27, wherein the workpiece is an internally cooled turbine blade.

30. (Previously Presented) A workpiece as claimed in claim 27, wherein the workpiece is an internally cooled turbine vane.

31. (Previously Presented) A workpiece as claimed in claim 28, wherein the workpiece is an internally cooled turbine blade.

32. (Previously Presented) A workpiece as claimed in claim 28, wherein the workpiece is an internally cooled turbine vane.

33. (Previously Presented) The workpiece as claimed in claim 27, wherein passage openings have diameters of between approximately 0.1 and approximately 2 mm.

34. (Previously Presented) The workpiece as claimed in claim 28, wherein passage openings have diameters of between approximately 0.1 and approximately 2 mm.

35. (Currently Amended) A ~~The~~ workpiece produced by a process, comprising: as claimed in claim 27, wherein

~~introducing casting cores into a casting cavity;~~

~~drawing a casting material into the casting cavity to ensure that all surfaces of the casting cores and all regions of the casting mold are filled with the casting material; and~~

~~producing the plurality of passages, passages having have non-uniform lengths and branches with randomly varied diameters, from the casting cores, which pass through the workpiece, wherein the casting cores are introduced into the casting cavity in such a manner that they rest loosely against one another.~~

36. (Currently Amended) ~~A~~ The workpiece produced by the process, comprising as claimed in claim 27, wherein the cast three-dimensional grid is one piece with the remainder of the workpiece

~~introducing casting cores into a casting cavity; and~~

~~producing passages from the casting cores, which pass through the workpiece, wherein the casting cores are introduced into the casting cavity in such a manner that they rest loosely against one another and all of the casting cores have substantially the same size.~~

37. (Cancelled)

38. (New) A set of turbine blades, comprising:
a plurality of cast workpieces as claimed in claim 27.

39. (New) The set of turbine blades as claimed in claim 38, wherein the plurality of passages in each turbine blade includes a different three-dimensional grid.

40. (New) A device, comprising:
at least one internally cooled turbine blade as claimed in claim 29.

41. (New) A device, comprising:
at least one internally cooled turbine vane as claimed in claim 30.